

Proposed Comal Extension

Proposal for PUT and GET

Purpose

Put and Get provide the user with the capability of bitwise I/O commands presently lacking in COMAL.

Syntax

Get is a function.

GET [<file designator>]

Put is a procedure.

PUT [<file designator>:] <numeric expression>

Semantics

Without a file designator GET will wait for a byte to become available on the current input stream and return its value.

With a file designator the input is taken from the specific file. GET can generate end of file errors and will update the EOF status where appropriate.

Without a file designator PUT evaluates the expression and sends the least significant byte (in binary) of the resulting expression to the current output stream. If the expression is floating point then it is rounded to integer.

With a file designator the output is sent to the specified file.

Examples

x:=GET

y:=GET FILE 4

z:=GET FILE 3,100

PUT ORD ("a")

PUT FILE z : 10

PUT FILE handle,record:byte